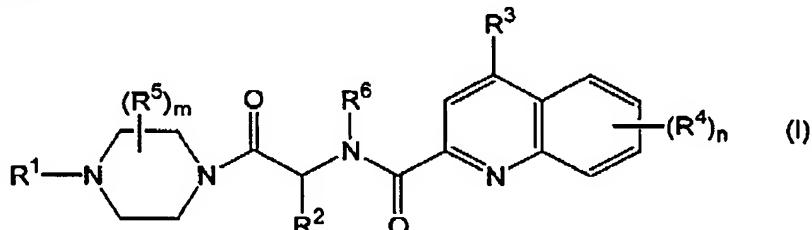


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AMENDMENTS TO THE CLAIMS

Claim 1 (Original). A compound of formula (I):



wherein:

m and n are independently 1 to 4;

R¹ is hydrogen, alkyl, carboxyalkyl, aryl, aralkyl, alkylcarbonyl, aryloxyalkylcarbonyl, carboxyalkylcarbonyl, alkoxy carbonylalkylcarbonyl, alkoxy carbonylalkyl, alkoxy carbonyl, arylcarbonyl, aryloxycarbonyl, aralkoxycarbonyl, cycloalkylcarbonyl, haloalkoxycarbonyl, aminocarbonyl, monoalkylaminocarbonyl, dialkylaminocarbonyl, alkoxy carbonylaminocarbonyl, or heterocyclcarbonyl;

R² is hydrogen, alkyl, aryl, aralkyl, alkylsulfonylalkyl, aralkoxyalkyl, hydroxyalkyl, aminoalkyl, haloalkylsulfonylaminooalkyl, carboxyalkylthioalkyl, alkoxy carbonylalkylthioalkyl, carboxyalkyl, (carboxy)(hydroxy)alkyl, carboxyalkoxycarbonylalkyl, alkoxy carbonylalkyl, aralkoxycarbonylalkyl, carboxyalkoxycarbonylalkyl, alkoxy carbonylalkylaminocarbonylalkyl, aminocarbonylalkyl, aralkoxycarbonylaminooalkyl, alkoxy carbonylalkylaminocarbonylalkyl, carboxyalkylaminocarbonylalkyl, (alkoxycarbonylalkyl)(alkyl)aminocarbonylalkyl, (carboxyalkyl)(alkyl)aminocarbonylalkyl, or heterocyclalkyl;

R³ is aryl or aryloxy each independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

or R³ is aralkyl or aralkoxy, wherein the alkyl radical in the aralkyl or aralkoxy substituent is optionally substituted by one or more substituents selected from the group consisting of halo, cyano, nitro, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, and -R⁸-N(R⁷)C(O)OR⁹, and wherein the aryl radical in the aralkyl or aralkoxy substituent is independently optionally substituted by one or more

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substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxy carbonylalkoxy, dialkylaminoalkoxy, and heterocyclalkoxy;

each R⁵ is independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxycarbonyl, aralkoxycarbonyl, carboxyalkyl, and alkoxycarbonylalkyl;

R⁶ is hydrogen, alkyl, carboxyalkyl, or alkoxy carbonylalkyl;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R⁸ is a bond or a straight or branched alkylene chain; and

each R⁹ is hydrogen, alkyl, aralkyl or haloalkyl;

as a single stereoisomer, a mixture of individual stereoisomers, or a racemic mixture; or a pharmaceutically acceptable salt thereof.

Claim 2 (Original). The compound of Claim 1 wherein:

m is 1;

n is 1 or 2;

R¹ is hydrogen, aryl, aralkyl, or alkoxy carbonyl;

R² is hydrogen, carboxyalkyl, alkoxy carbonylalkyl or aralkoxycarbonylalkyl;

R³ is aryl optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, and -R⁸-N(R⁷)C(O)OR⁹;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino,

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hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxy carbonylalkoxy, dialkylaminoalkoxy, and heterocyclylalkoxy;

R⁵ is hydrogen;

R⁶ is hydrogen or alkyl;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R⁸ is a bond or a straight or branched alkylene chain; and

R⁹ is hydrogen, alkyl, aralkyl or haloalkyl.

Claim 3 (Original). The compound of Claim 2 wherein:

m is 1;

n is 1 or 2;

R¹ is hydrogen or alkoxy carbonyl;

R² is hydrogen, carboxyalkyl, alkoxy carbonylalkyl or aralkoxy carbonylalkyl;

R³ is aryl optionally substituted by one or more substituents selected from the group consisting of carboxy or alkoxy carbonyl;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, halo, or haloalkyl;

R⁵ is hydrogen; and

R⁶ is hydrogen.

Claim 4 (Presently Amended). The compound of Claim 4, namely, 2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(3-carboxy)phenylquinoline in trifluoroacetic acid, according to Claim 3.

Claim 5 (Original). The compound of Claim 1 wherein:

m is 1;

n is 1 or 2;

R¹ is hydrogen, aryl, aralkyl, or alkoxy carbonyl;

R² is hydrogen, carboxyalkyl, alkoxy carbonylalkyl or aralkoxy carbonylalkyl;

R³ is aryloxy optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

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each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxycarbonylalkoxy, dialkylaminoalkoxy, and heterocyclalkoxy;

R⁵ is selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxycarbonyl, aralkoxycarbonyl, carboxyalkyl, and alkoxycarbonylalkyl;

R⁶ is hydrogen, alkyl, carboxyalkyl, or alkoxycarbonylalkyl;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R⁸ is a bond or a straight or branched alkylene chain; and

R⁹ is hydrogen, alkyl, aralkyl or haloalkyl.

Claim 6 (Original). The compound of Claim 5 wherein:

m is 1;

n is 1 or 2;

R¹ is hydrogen or alkoxycarbonyl;

R² is hydrogen, carboxyalkyl, alkoxycarbonylalkyl or aralkoxycarbonylalkyl;

R³ is aryloxy optionally substituted by one or more substituents selected from the group consisting of alkyl, tetrazolyl, -R⁸-C(O)OR⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, halo, or haloalkyl;

R⁵ is hydrogen;

R⁶ is hydrogen;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl; and

each R⁸ is a bond or a straight or branched alkylene chain.

Claim 7 (Presently Amended). The compound of Claim 6 selected from the group consisting of the following:

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(3-carboxy)phenoxyquinoline ~~in 2,2,2-trifluoro-1,1-ethanediol~~;

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2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(2-carboxy)phenoxyquinoline ~~in 2,2,2-trifluoro-1,1-ethanediol~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(2-amino-5-carboxy)phenoxyquinoline ~~in 2,2,2-trifluoro-1,1-ethanediol~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(4-carboxy)phenoxyquinoline ~~in 2,2,2-trifluoro-1,1-ethanediol~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(3-carboxymethyl)phenoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(3-(1-amino-1-carboxy)methyl)phenoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(3-(2-amino-2-carboxy)ethyl)phenoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(2-methyl-5-carboxy)phenoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(5-carboxy-2-diethylaminoethyl)phenoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(3-tetrazol-5-yl)phenoxyquinoline ~~in 2,2,2-trifluoro-1,1-ethanediol~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(3-trifluoromethylsulfonylamino)phenoxyquinoline ~~in trifluoroacetic acid~~; and

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-methyl-4-(3-carboxy)phenoxyquinoline ~~in trifluoroacetic acid~~.

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Claim 8 (Original). The compound of Claim 1 wherein
m is 1;
n is 1 or 2;
R¹ is hydrogen, aryl, aralkyl, or alkoxy carbonyl;
R² is hydrogen, carboxy alkyl, alkoxy carbonyl alkyl or aralkoxy carbonyl alkyl;
R³ is aralkyl wherein the alkyl radical in the aralkyl substituent is optionally substituted by one or more substituents selected from the group consisting of halo, cyano, nitro, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, and -R⁸-N(R⁷)C(O)OR⁹, and wherein the aryl radical in the aralkyl substituent is independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;
each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxy carbonyl, aminocarbonyl, alkyl carbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxy alkylamino, alkyl carbonylamino, di(alkyl carbonyl)amino, hydroxy alkyl, dialkylamino alkyl, carboxy alkoxy, alkoxy carbonyl alkoxyl, dialkylamino alkoxy, and heterocyclic alkoxyl;
R⁵ is selected from the group consisting of hydrogen, alkyl, hydroxy alkyl, aralkyl, carboxy, alkoxy carbonyl, aralkoxy carbonyl, carboxy alkyl, and alkoxy carbonyl alkyl;
R⁶ is hydrogen, alkyl, carboxy alkyl, or alkoxy carbonyl alkyl;
each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;
each R⁸ is a bond or a straight or branched alkylene chain; and
R⁹ is hydrogen, alkyl, aralkyl or haloalkyl.

Claim 9 (Original). The compound of Claim 1 wherein:

m is 1;
n is 1 or 2;
R¹ is hydrogen, aryl, aralkyl, or alkoxy carbonyl;
R² is hydrogen, carboxy alkyl, alkoxy carbonyl alkyl or aralkoxy carbonyl alkyl;
R³ is aralkoxy wherein the alkyl radical in the aralkyl substituent is not optionally substituted and wherein the aryl radical in the aralkoxy substituent is optionally substituted by

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one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxycarbonylalkoxy, dialkylaminoalkoxy, and heterocyclalkoxy;

R⁵ is selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxycarbonyl, aralkoxycarbonyl, carboxyalkyl, and alkoxycarbonylalkyl;

R⁶ is hydrogen, alkyl, carboxyalkyl, or alkoxycarbonylalkyl;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R⁸ is a bond or a straight or branched alkylene chain; and

R⁹ is hydrogen, alkyl, aralkyl or haloalkyl.

Claim 10 (Original). The compound of Claim 9 wherein:

m is 1;

n is 1 or 2;

R¹ is hydrogen, aryl, aralkyl, or alkoxycarbonyl;

R² is hydrogen, carboxyalkyl, alkoxycarbonylalkyl or aralkoxycarbonylalkyl;

R³ is aralkoxy wherein the aryl radical in the aralkoxy substituent is optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, and -R⁸-N(R⁷)₂;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, halo, or haloalkyl;

R⁵ is hydrogen;

R⁶ is hydrogen;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl; and

each R⁸ is a bond or a straight or branched alkylene chain.

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Claim 11 (Presently Amended). The compound of **Claim 10** selected from the group consisting of the following:

2-[(4-(ethoxycarbonyl)piperazin-1-yl)carbonylmethyl]aminocarbonyl-4-benzyloxyquinoline;
2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-benzyloxycarbonylpropyl]aminocarbonyl-4-benzyloxyquinoline;
2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-benzyloxyquinoline;
2-[1-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-benzyloxycarbonylpropyl]aminocarbonyl-4-benzyloxy-8-methoxyquinoline;
2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-benzyloxy-8-methoxyquinoline;
2-[(4-(ethoxycarbonyl)piperazin-1-yl)carbonylmethyl]aminocarbonyl-4-(4-methoxycarbonyl)benzyloxyquinoline;
2-[(4-(ethoxycarbonyl)piperazin-1-yl)carbonylmethyl]aminocarbonyl-4-(4-carboxy)benzyloxyquinoline;
2-[(4-(ethoxycarbonyl)piperazin-1-yl)carbonylmethyl]aminocarbonyl-4-(3-methoxycarbonyl)benzyloxyquinoline;
2-[(4-(ethoxycarbonyl)piperazin-1-yl)carbonylmethyl]aminocarbonyl-4-(3-carboxy)benzyloxyquinoline;
2-[1S-(4-(3-methylphenyl)piperazin-1-yl)carbonyl-3-(1,1-dimethylethoxycarbonyl)propyl]aminocarbonyl-4-benzyloxyquinoline; and
2-[1S-(4-(3-methylphenyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-benzyloxyquinoline.

Claim 12 (Original). The compound of Claim 1 wherein:

m is 1;

n is 1 or 2;

R¹ is hydrogen, aryl, aralkyl, or alkoxy carbonyl;

R² is hydrogen, carboxyalkyl, alkoxy carbonylalkyl or aralkoxy carbonylalkyl;

R³ is aralkoxy wherein the alkyl radical in the aralkoxy substituent is substituted by one or more substituents selected from the group consisting of halo, cyano, nitro, -R⁶-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, and -R⁹-N(R⁷)C(O)OR⁹), and wherein the aryl radical in the aralkoxy substituent is

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optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxycarbonylalkoxy, dialkylaminoalkoxy, and heterocyclylalkoxy;

R⁵ is selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxycarbonyl, aralkoxycarbonyl, carboxyalkyl, and alkoxycarbonylalkyl;

R⁶ is hydrogen, alkyl, carboxyalkyl, or alkoxycarbonylalkyl;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R⁸ is a bond or a straight or branched alkylene chain; and

R⁹ is hydrogen, alkyl, aralkyl or haloalkyl.

Claim 13 (Original). The compound of Claim 12 wherein:

m is 1;

n is 1 or 2;

R¹ is hydrogen, aryl, aralkyl, or alkoxycarbonyl;

R² is hydrogen, carboxyalkyl, alkoxycarbonylalkyl or aralkoxycarbonylalkyl;

R³ is aralkoxy wherein the alkyl radical in the aralkoxy substituent is substituted by -R⁸-C(O)OR⁷, and wherein the aryl radical in the aralkoxy substituent is optionally substituted by one or more substituents selected from the group consisting of halo and -R⁸-OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, halo, haloalkyl, amino, monoalkylamino, or dialkylamino;

R⁵ is hydrogen;

R⁶ is hydrogen;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl; and

each R⁸ is a bond or a straight or branched alkylene chain.

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Claim 14 (Presently Amended). The compound of Claim 13 selected from the group consisting of the following:

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-(1,1-dimethylethoxycarbonyl)propyl]aminocarbonyl-4-(1-phenyl-1-methoxycarbonyl)methoxyquinoline;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(1-phenyl-1-methoxycarbonyl)methoxyquinoline;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(1-phenyl-1-carboxy)methoxyquinoline;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-chloro-4-(1-carboxy-1-phenyl)methoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-naphth-1-yl-1-carboxy)methoxyquinoline;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-chloro-8-fluoro-4-(1-methoxycarbonyl-1-phenyl)methoxyquinoline ~~in acetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-chloro-8-fluoro-4-(1-carboxy-1-phenyl)methoxyquinoline ~~in acetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-methyl-6-fluoro-4-(1-carboxy-1-(2-fluoro)phenyl)methoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-methyl-4-(1-ethoxycarbonyl-1-phenyl)methoxyquinoline ~~in trifluoroacetic acid~~;

2-[(4-(ethoxycarbonyl)piperazin-1-yl)carbonylmethyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-methyl-6-fluoro-4-(1-carboxy-1-(4-chloro)phenyl)methoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-methyl-6-fluoro-4-(1-carboxy-1-(3-methoxy)phenyl)methoxyquinoline ~~in trifluoroacetic acid~~;

2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6,8-difluoro-4-(1-carboxy-1-phenyl)methoxyquinoline ~~in trifluoroacetic acid~~;

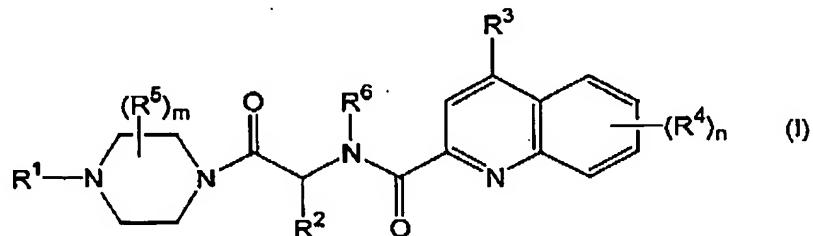
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2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-dimethylamino-4-(1-phenyl-1-carboxy)methoxyquinoline;
2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-chloro-6-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline ~~in trifluoroacetic acid~~;
2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-7-methyl-6-chloro-4-(1-phenyl-1-carboxy)methoxyquinoline ~~in trifluoroacetic acid~~;
2-[1S-(4-(1,1-dimethylethoxycarbonyl)piperazin-1-yl)carbonyl-3-methoxycarbonylpropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline;
2-[1S-(4-(1,1-dimethylethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline;
2-[1S-(4-(methoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline ~~in trifluoroacetic acid~~;
2-[1S-(4-(1,1-dimethylethylaminocarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline ~~in trifluoroacetic acid~~;
2-[1S-(4-(furan-2-ylcarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline ~~in trifluoroacetic acid~~;
2-[1S-(4-(3-methylphenyl)piperazin-1-yl)carbonyl-3-(1,1-dimethylethoxycarbonyl)propyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline;
2-[1S-(4-(3-methylphenyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline ~~in trifluoroacetic acid~~;
2-[1S-(4-(phenyl)piperazin-1-yl)carbonyl-3-(1,1-dimethylethoxycarbonyl)propyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline; and
2-[1S-(4-(phenyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-6-fluoro-7-methyl-4-(1-phenyl-1-carboxy)methoxyquinoline ~~in trifluoroacetic acid~~.

Claim 15 (Original). A pharmaceutical composition useful in treating a mammal having a disease-state characterized by thrombotic activity, which composition comprises a pharmaceutically acceptable excipient and a compound of formula (I):

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wherein:

m and **n** are independently 1 to 4;

R¹ is hydrogen, alkyl, carboxyalkyl, aryl, aralkyl, alkylcarbonyl, aryloxalkylcarbonyl, carboxyalkylcarbonyl, alkoxy carbonylalkylcarbonyl, alkoxy carbonylalkyl, alkoxy carbonyl, arylcarbonyl, aryloxycarbonyl, aralkoxycarbonyl, cycloalkylcarbonyl, haloalkoxycarbonyl, aminocarbonyl, monoalkylaminocarbonyl, dialkylaminocarbonyl, alkoxy carbonylaminocarbonyl, or heterocyclcarbonyl;

R² is hydrogen, alkyl, aryl, aralkyl, alkylsulfonylalkyl, aralkoxyalkyl, hydroxyalkyl, aminoalkyl, haloalkylsulfonylaminooalkyl, carboxyalkylthioalkyl, alkoxy carbonylalkylthioalkyl, carboxyalkyl, (carboxy)(hydroxy)alkyl, carboxyalkoxyalkyl, alkoxy carbonylalkyl, aralkoxycarbonylalkyl, carboxyalkoxycarbonylalkyl, alkoxy carbonylalkylthiocarbonylalkyl, aminocarbonylalkyl, aralkoxycarbonylaminooalkyl, alkoxy carbonylalkylaminocarbonylalkyl, carboxyalkylaminocarbonylalkyl, (alkoxycarbonylalkyl)(alkyl)aminocarbonylalkyl, (carboxyalkyl)(alkyl)aminocarbonylalkyl, or heterocyclalkyl;

R³ is aryl or aryloxy each independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

or **R**³ is aralkyl or aralkoxy, wherein the alkyl radical in the aralkyl or aralkoxy substituent is optionally substituted by one or more substituents selected from the group consisting of halo, cyano, nitro, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, and -R⁸-N(R⁷)C(O)OR⁹), and wherein the aryl radical in the aralkyl or aralkoxy substituent is independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂,

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-R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and
 -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxy carbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxy carbonylalkoxy, dialkylaminoalkoxy, and heterocyclylalkoxy;

each R⁵ is independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxy carbonyl, aralkoxy carbonyl, carboxyalkyl, and alkoxy carbonylalkyl;

R⁶ is hydrogen, alkyl, carboxyalkyl, or alkoxy carbonylalkyl;

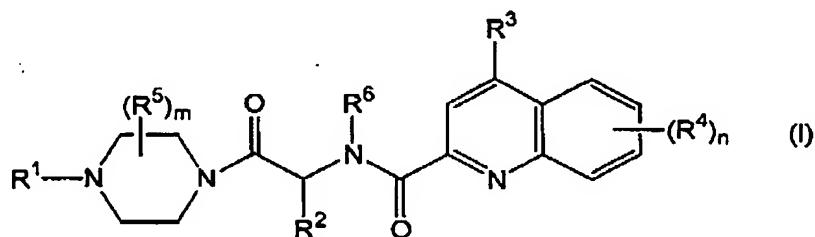
each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R⁸ is a bond or a straight or branched alkylene chain; and

each R⁹ is hydrogen, alkyl, aralkyl or haloalkyl;

as a single stereoisomer, a mixture of individual stereoisomers, or a racemic mixture; or a pharmaceutically acceptable salt thereof.

Claim 16 (Original). A method of treating a disease-state characterized by thrombotic activity, which method comprises administering to a mammal having a disease-state characterized by thrombotic activity a therapeutically effective amount of a compound of formula (I):



wherein:

m and n are independently 1 to 4;

R¹ is hydrogen, alkyl, carboxyalkyl, aryl, aralkyl, alkylcarbonyl, aryloxyalkylcarbonyl, carboxyalkylcarbonyl, alkoxy carbonylalkylcarbonyl, alkoxy carbonylalkyl, alkoxy carbonyl, arylcarbonyl, aryloxycarbonyl, aralkoxycarbonyl, cycloalkylcarbonyl,

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haloalkoxycarbonyl, aminocarbonyl, monoalkylaminocarbonyl, dialkylaminocarbonyl, alkoxy carbonylaminocarbonyl, or heterocyclcarbonyl;

R² is hydrogen, alkyl, aryl, aralkyl, alkylsulfonylalkyl, aralkoxyalkyl, hydroxyalkyl, aminoalkyl, haloalkylsulfonylaminooalkyl, carboxyalkylthioalkyl, alkoxy carbonylalkylthioalkyl, carboxyalkyl, (carboxy)(hydroxy)alkyl, carboxyalkoxyalkyl, alkoxy carbonylalkyl, aralkoxy carbonylalkyl, carboxyalkoxycarbonylalkyl, alkoxy carbonylalkoxycarbonylalkyl, aminocarbonylalkyl, aralkoxy carbonylaminooalkyl, alkoxy carbonylalkylaminocarbonylalkyl, carboxyalkylaminocarbonylalkyl, (alkoxycarbonylalkyl)(alkyl)aminocarbonylalkyl, (carboxyalkyl)(alkyl)aminocarbonylalkyl, or heterocyclalkyl;

R³ is aryl or aryloxy each independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

or R³ is aralkyl or aralkoxy, wherein the alkyl radical in the aralkyl or aralkoxy substituent is optionally substituted by one or more substituents selected from the group consisting of halo, cyano, nitro, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, and -R⁸-N(R⁷)C(O)OR⁹, and wherein the aryl radical in the aralkyl or aralkoxy substituent is independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxy carbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxy carbonylalkoxy, dialkylaminoalkoxy, and heterocyclalkoxy;

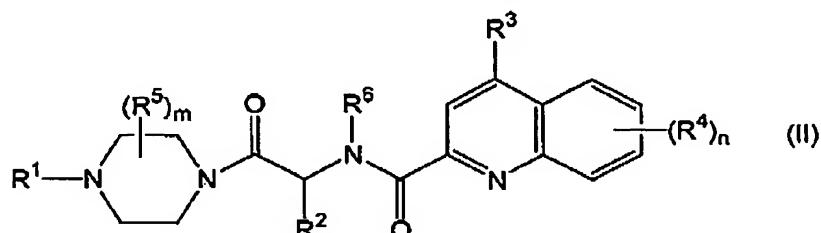
each R⁵ is independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxy carbonyl, aralkoxy carbonyl, carboxyalkyl, and alkoxy carbonylalkyl;

R⁶ is hydrogen, alkyl, carboxyalkyl, or alkoxy carbonylalkyl;

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each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;
 each R⁸ is a bond or a straight or branched alkylene chain; and
 each R⁹ is hydrogen, alkyl, aralkyl or haloalkyl;
 as a single stereoisomer, a mixture of individual stereoisomers, or a racemic mixture;
 or a pharmaceutically acceptable salt thereof.

Claim 17 (Presently Amended). A compound of formula (II):



wherein:

m and n are independently 1 to 4;

R¹ is hydrogen, alkyl, carboxyalkyl, aryl, aralkyl, alkylcarbonyl, aryloxyalkylcarbonyl, carboxyalkylcarbonyl, alkoxy carbonylalkylcarbonyl, alkoxy carbonylalkyl, alkoxy carbonyl, arylcarbonyl, aryloxy carbonyl, aralkoxy carbonyl, cycloalkylcarbonyl, haloalkoxy carbonyl, aminocarbonyl, monoalkylaminocarbonyl, dialkylaminocarbonyl, alkoxy carbonylaminocarbonyl, or heterocyclcarbonyl;

R² is hydrogen, alkyl, aryl, aralkyl, alkylsulfonylalkyl, aralkoxyalkyl, hydroxyalkyl, aminoalkyl, haloalkylsulfonylaminooalkyl, carboxyalkylthioalkyl, alkoxy carbonylalkylthioalkyl, carboxyalkyl, (carboxy)(hydroxy)alkyl, carboxyalkoxyalkyl, alkoxy carbonylalkyl, aralkoxycarbonylalkyl, carboxyalkoxycarbonylalkyl, alkoxy carbonylalkoxycarbonylalkyl, aminocarbonylalkyl, aralkoxycarbonylaminooalkyl, alkoxy carbonylalkylaminocarbonylalkyl, carboxyalkylaminocarbonylalkyl, (alkoxycarbonylalkyl)(alkyl)aminocarbonylalkyl, (carboxyalkyl)(alkyl)aminocarbonylalkyl, or heterocyclalkyl;

R³ is heteroaryl optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

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or R^3 is heteroarylalkoxy, wherein the alkoxy radical in the heteroarylalkoxy substituent is optionally substituted by one or more substituents selected from the group consisting of halo, cyano, nitro, R^8-OR^7 , $R^8-C(O)OR^7$, $R^8-C(O)N(R^7)_2$, $-R^8-C(O)R^7$, $-R^8-N(R^7)_2$, $R^8-N(R^7)C(O)R^7$, and $-R^8-N(R^7)C(O)OR^9$, and wherein the heteroaryl radical in the heteroarylalkoxy substituent is independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazoyl, R^8-OR^7 , $R^8-C(O)OR^7$, $R^8-C(O)N(R^7)_2$, $R^8-C(O)R^7$, $R^8-N(R^7)_2$, $R^8-N(R^7)C(O)R^7$, $-R^8-N(R^7)C(O)OR^9$, $-R^8-N(R^7)-S(O)_2-R^7$, and $-R^8-C[N(R^7)]_2-C(O)OR^7$;

each R^4 is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxycarbonylalkoxy, dialkylaminoalkoxy, and heterocyclalkoxy;

each R^5 is independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxycarbonyl, aralkoxycarbonyl, carboxyalkyl, and alkoxycarbonylalkyl;

R^6 is hydrogen, alkyl, carboxyalkyl, or alkoxycarbonylalkyl;

each R^7 is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R^8 is a bond or a straight or branched alkylene chain; and

each R^9 is hydrogen, alkyl, aralkyl or haloalkyl;

as a single stereoisomer, a mixture of individual stereoisomers, or a racemic mixture; or a pharmaceutically acceptable salt thereof.

Claim 18 (Original). The compound of Claim 17 wherein:

m is 1;

n is 1 or 2;

R^1 is hydrogen, aryl, aralkyl, or alkoxycarbonyl;

R^2 is hydrogen, carboxyalkyl, alkoxycarbonylalkyl or aralkoxycarbonylalkyl;

R^3 is heteroaryl optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, $-R^8-OR^7$, $-R^8-C(O)OR^7$, $-R^8-C(O)N(R^7)_2$, and $-R^8-N(R^7)_2$;

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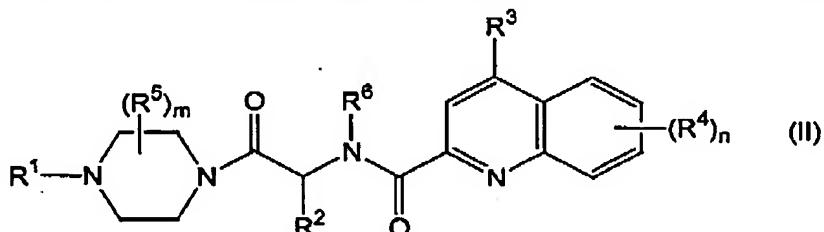
each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, halo, haloalkyl, amino, monoalkylamino, or dialkylamino;
 R⁵ is hydrogen;
 R⁶ is hydrogen;
 each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl; and
 each R⁸ is a bond or a straight or branched alkylene chain.

Claim 19 (Presently Amended). The compound of Claim 18, namely, 2-[1S-(4-(ethoxycarbonyl)piperazin-1-yl)carbonyl-3-carboxypropyl]aminocarbonyl-4-(1,2,3,4-tetrahydroisoquinolin-2-yl)quinoline in trifluoroacetic acid, according to Claim 18.

Claim 20 (Canceled).

Claim 21 (Canceled).

Claim 22 (Presently Amended). A pharmaceutical composition useful in treating a mammal having a disease-state characterized by thrombotic activity, which composition comprises a pharmaceutically acceptable excipient and a compound of formula (II):



wherein:

m and n are independently 1 to 4;

R¹ is hydrogen, alkyl, carboxyalkyl, aryl, aralkyl, alkylcarbonyl, aryloxyalkylcarbonyl, carboxyalkylcarbonyl, alkoxy carbonylalkylcarbonyl, alkoxy carbonylalkyl, alkoxy carbonyl, arylcarbonyl, aryloxycarbonyl, aralkoxycarbonyl, cycloalkylcarbonyl, haloalkoxycarbonyl, aminocarbonyl, monoalkylaminocarbonyl, dialkylaminocarbonyl, alkoxy carbonylaminocarbonyl, or heterocyclcarbonyl;

R² is hydrogen, alkyl, aryl, aralkyl, alkylsulfonylalkyl, aralkoxyalkyl, hydroxyalkyl, aminoalkyl, haloalkylsulfonylamoalkyl, carboxyalkylthioalkyl, alkoxy carbonylalkylthioalkyl,

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carboxyalkyl, (carboxy)(hydroxy)alkyl, carboxyalkoxyalkyl, alkoxycarbonylalkyl, aralkoxycarbonylalkyl, carboxyalkoxycarbonylalkyl, alkoxycarbonylalkoxycarbonylalkyl, aminocarbonylalkyl, aralkoxycarbonylaminoalkyl, alkoxycarbonylalkylaminocarbonylalkyl, carboxyalkylaminocarbonylalkyl, (alkoxycarbonylalkyl)(alkyl)aminocarbonylalkyl, (carboxyalkyl)(alkyl)aminocarbonylalkyl, or heterocyclalkyl;

R³ is heteroaryl optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

or R³ is heteroarylalkoxy, wherein the alkoxy radical in the heteroarylalkoxy substituent is optionally substituted by one or more substituents selected from the group consisting of halo, cyano, nitro, -R⁸-OR⁷, -R⁸-C(O)QR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, and -R⁸-N(R⁷)C(O)OR⁹, and wherein the heteroaryl radical in the heteroarylalkoxy substituent is independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂-R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

each R⁴ is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxycarbonylalkoxy, dialkylaminoalkoxy, and heterocyclalkoxy;

each R⁵ is independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxycarbonyl, aralkoxycarbonyl, carboxyalkyl, and alkoxycarbonylalkyl;

R⁶ is hydrogen, alkyl, carboxyalkyl, or alkoxycarbonylalkyl;

each R⁷ is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R⁸ is a bond or a straight or branched alkylene chain; and

each R⁹ is hydrogen, alkyl, aralkyl or haloalkyl;

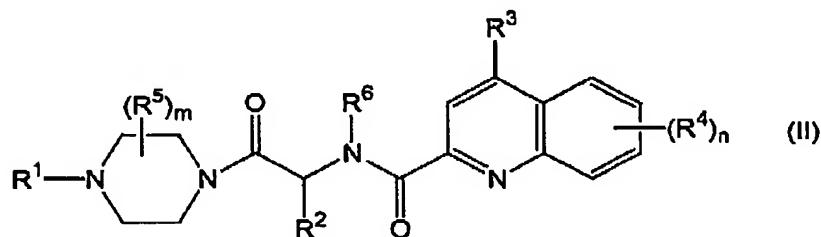
as a single stereoisomer, a mixture of individual stereoisomers, or a racemic mixture;

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or a pharmaceutically acceptable salt thereof.

Claim 23 (Presently Amended). A method of treating a disease-state characterized by thrombotic activity, which method comprises administering to a mammal having a disease-state characterized by thrombotic activity a therapeutically effective amount of a compound of formula (II):



wherein:

m and n are independently 1 to 4;

R¹ is hydrogen, alkyl, carboxyalkyl, aryl, aralkyl, alkylcarbonyl, aryloxyalkylcarbonyl, carboxyalkylcarbonyl, alkoxy carbonylalkylcarbonyl, alkoxy carbonylalkyl, alkoxy carbonyl, arylcarbonyl, aryloxycarbonyl, aralkoxycarbonyl, cycloalkylcarbonyl, haloalkoxycarbonyl, aminocarbonyl, monoalkylaminocarbonyl, dialkylaminocarbonyl, alkoxy carbonylaminocarbonyl, or heterocyclcarbonyl;

R² is hydrogen, alkyl, aryl, aralkyl, alkylsulfonylalkyl, aralkoxyalkyl, hydroxyalkyl, aminoalkyl, haloalkylsulfonylaminooalkyl, carboxyalkylthioalkyl, alkoxy carbonylalkylthioalkyl, carboxyalkyl, (carboxy)(hydroxy)alkyl, carboxyalkoxycarbonylalkyl, alkoxy carbonylalkyl, aralkoxycarbonylalkyl, carboxyalkoxycarbonylalkyl, alkoxy carbonylalkoxycarbonylalkyl, aminocarbonylalkyl, aralkoxycarbonylaminooalkyl, alkoxy carbonylalkylaminocarbonylalkyl, carboxyalkylaminocarbonylalkyl, (alkoxycarbonylalkyl)(alkyl)aminocarbonylalkyl, (carboxyalkyl)(alkyl)aminocarbonylalkyl, or heterocyclalkyl;

R³ is heteroaryl optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, -R⁸-OR⁷, -R⁸-C(O)OR⁷, -R⁸-C(O)N(R⁷)₂, -R⁸-C(O)R⁷, -R⁸-N(R⁷)₂, -R⁸-N(R⁷)C(O)R⁷, -R⁸-N(R⁷)C(O)OR⁹, -R⁸-N(R⁷)-S(O)₂R⁷, and -R⁸-C[N(R⁷)₂]-C(O)OR⁷;

or R³ is heteroarylalkoxy, wherein the alkoxy radical in the heteroarylalkoxy substituent is optionally substituted by one or more substituents selected from

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the group consisting of halo, cyano, nitro, R^8-OR^7 , $R^8-C(O)OR^7$, $R^8-C(O)N(R^7)_2$, $-R^8-G(O)R^7$, $R^8-N(R^7)_2$, $R^8-N(R^7)C(O)R^7$, and $R^8-N(R^7)C(O)OR^9$, and wherein the heteroaryl radical in the heteroarylalkoxy substituent is independently optionally substituted by one or more substituents selected from the group consisting of alkyl, halo, haloalkyl, cyano, nitro, tetrazolyl, R^8-OR^7 , $-R^8-C(O)OR^7$, $-R^8-C(O)N(R^7)_2$, $R^8-C(O)R^7$, $R^8-N(R^7)_2$, $R^8-N(R^7)C(O)R^7$, $-R^8-N(R^7)C(O)OR^9$, $R^8-N(R^7)-S(O)_2R^7$, and $R^8-C[N(R^7)]_2-C(O)OR^7$;

each R^4 is independently selected from the group consisting of hydrogen, alkyl, alkoxy, aralkoxy, halo, haloalkyl, haloalkoxy, hydroxy, cyano, alkylthio, carboxy, alkoxycarbonyl, aminocarbonyl, alkylcarbonyl, nitro, amino, monoalkylamino, dialkylamino, carboxyalkylamino, alkylcarbonylamino, di(alkylcarbonyl)amino, hydroxyalkyl, dialkylaminoalkyl, carboxyalkoxy, alkoxycarbonylalkoxy, dialkylaminoalkoxy, and heterocyclalkoxy;

each R^5 is independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl, carboxy, alkoxycarbonyl, aralkoxycarbonyl, carboxyalkyl, and alkoxycarbonylalkyl;

R^6 is hydrogen, alkyl, carboxyalkyl, or alkoxycarbonylalkyl;

each R^7 is hydrogen, alkyl, aryl, aralkyl, or haloalkyl;

each R^8 is a bond or a straight or branched alkylene chain; and

each R^9 is hydrogen, alkyl, aralkyl or haloalkyl;

as a single stereoisomer, a mixture of individual stereoisomers, or a racemic mixture; or a pharmaceutically acceptable salt thereof.